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PATENT *AB***IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s) Dilip Chokshi Examiner: Unassigned  
Serial No.: 09/1757,222 Unassigned Group Art Unit: Unassigned  
Filed: Herewith Docket: 1114-2  
For: UBIQUINONE COMPOUNDS AND METHODS RELATED THERETO Dated: January 11, 2001

Assistant Commissioner for Patents  
Washington, DC 20231

*I hereby certify this correspondence is being deposited  
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Assistant Commissioner for Patents, Washington, D.C.*

*20231 on January 11, 2001*

Dated: 1/11/01

*Julie L. Watts*

**INFORMATION DISCLOSURE STATEMENT**

Sir:

In order to fulfill the requirements of candor and good faith set forth in 37 C.F.R. §1.56, Applicants submit herewith the following Information Disclosure Statement in accordance with the provisions of 37 C.F.R. §1.97 and §1.98.

**UNITED STATES PATENTS**

<b><u>PATENTEE</u></b>	<b><u>PATENT NO.</u></b>	<b><u>ISSUE DATE</u></b>
Masterson	6,054,261	April 25, 2000
Borowy-Borowski, et al.	6,045,826	April 4, 2000
Amselem	5,989,583	November 23, 1999
Ochi, et al.	5,950,634	September 14, 1999
Amselem	5,891,469	April 6, 1999
Segall, et al.	5,747,071	May 5, 1998

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Riordan, et al.	5,639,787	June 17, 1997
Iwanami, et al.	5,008,118	April 16, 1991
Galler	3,196,018	July 20, 1965

### **FOREIGN PATENT DOCUMENTS**

<b><u>COUNTRY</u></b>	<b><u>PATENT NO.</u></b>	<b><u>ISSUE DATE</u></b>
PCT	WO 96/17626	June 13, 1996

### **NON-PATENT PUBLICATIONS**

1. Navarro, et al., "Protective Role in Ubiquinone in Vitamin E and Selenium-Deficient Plasma Membranes", BioFactors 9, pp. 163-170 (1999).
2. Hoppe, et al., "Coenzyme Q<sub>10</sub>, a Cutaneous Antioxidant and Energizer", BioFactors 9, pp. 371-378 (1999).
3. Hodges, et al., "CoQ<sub>10</sub>: Could It Have a Role in Cancer Management?", BioFactors 9, pp. 365-370 (1999).
4. Langsjoen, et al., "Overview of the Use of CoQ<sub>10</sub> in Cardiovascular Disease", BioFactors 9, pp. 273-284 (1999).
5. Baroni, et al., "Monounsaturated Diet Lowers LDL Oxidisability in Type Iib and Type IV Dyslipidemia Without Affecting Coenzymes Q<sub>10</sub> and Vitamin E Contents", BioFactors 9, pp. 325-330 (1999).
6. Pedersen, et al., "High Serum Coenzyme Q<sub>10</sub>, Positively Correlated with Age, Selenium and Cholesterol, in Inuit of Greenland. A Pilot Study.", BioFactors 9, pp. 319-323 (1999).
7. Niibori, et al., "Bioenergetic Effect of Liposomal Coenzyme Q<sub>10</sub> on Myocardial Ischemia Reperfusion Injury", BioFactors 9, pp. 307-313 (1999).

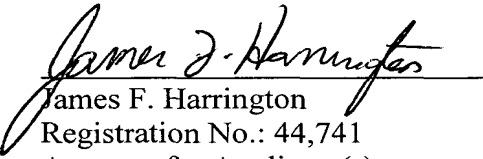
8. Tomasetti, et al., "Distribution of Antioxidants Among Blood Components and Lipoproteins: Significance of Lipids/CoQ<sub>10</sub> Ratio as a Possible Marker of Increased Risk for Atherosclerosis", BioFactors 9, pp. 231-240 (1999).
9. Chida, et al., "In vitro Testing of Antioxidants and Biochemical End-Points in Bovine Retinal Tissue", Ophthalmic Research, 31: 407-415 (1999).
10. Bianchi, et al., "Oxidative Stress and Anti-Oxidant Metabolites in Patients with Hyperthyroidism: Effect of Treatment", Horm. Metab. Res., 31: 620-624 (1999).
11. Al-Bekairi, et al., "Coenzyme Q<sub>10</sub> Ameliorates the Hepatic Toxicity Induced by Carbon Tetrachloride in Mice", Research Communications in Pharmacology and Toxicology, Vol. 4, Nos. 3 & 4, pp. 163-171 (1999).
12. Yokoyama, et al., "Coenzyme Q<sub>10</sub> Protects Coronary Endothelial Function from Ischemia Reperfusion Injury Via an Antioxidant Effect", Surgery, Volume 120, No. 2, pp. 189-196 (1996).
13. Morita, et al., "Studies of Hypoxemic/Reoxygenation Injury: Without Aortic Clamping VII. Counteraction of Oxidant Damage by Exogenous Antioxidants: Coenzyme Q<sub>10</sub>", The Journal of Thoracic and Cardiovascular Surgery, , Vol. 110, No. 4, Part 2, pp. 1221-1227 (1995).
14. Lass, et al., "Effects of Coenzyme Q<sub>10</sub> and  $\alpha$ -Tocopherol Administration on Their Tissue Levels in the Mouse: Elevation of Mitochondrial  $\alpha$ -Tocopherol by Coenzyme Q<sub>10</sub>", Free Radical Biology & Medicine, Vol. 26, Nos. 11/12, pp. 1375-1382 (1999).
15. Nielsen, et al., "No Effect of Antioxidant Supplementation in Triathletes on Maximal Oxygen Uptake, <sup>31</sup>P-NMRS Detected Muscle Energy Metabolism and Muscle Fatigue", Int. J. Sports Med., 20: 154-158 (1999).
16. Alleva, et al., "Oxidation of LDL and Their Subfractions: Kinetic Aspects and CoQ<sub>10</sub> Content", Molec. Aspects Med., Vol. 18 (Supplement), pp. S105-s112 (1997).

17. Tomasetti, et al., "Coenzyme Q<sub>10</sub> Enrichment Decreases Oxidative DNA Damage in Human Lymphocytes", Free Radical Biology & Medicine, Vol. 27, Nos. 9/10, pp. 1027-1032 (1999).
18. Aejmelaeus, et al., "Ubiquinol-10 and Total Peroxyl Radical Trapping Capacity of LDL Lipoproteins During Aging: the Effects of Q-10 Supplementation", Molec. Aspects Med., Vol. 18 (Supplement), pp. s113-s120 (1997).
19. Kagan, et al., "Coenzyme Q<sub>10</sub> Can in Some Circumstances Block Apoptosis, and This effect is Mediated through Mitochondria", Annals New York Academy of Sciences, pp. 31-47.

The above-referenced documents are listed on PTO Form 1449 which is enclosed herein. A copy of each of the above-identified reference is enclosed herewith

If the Examiner has any questions or comments relating to the present application, he or she is respectfully invited to contact Applicants' attorney at the telephone number set forth below.

Respectfully submitted,

  
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